EXAMPLES – CONTRACTOR COST DATA REPORTING TRANSACTION SET (196)

Example 1 – Cost Data Summary Report, DD Form 1921

ASC X12 EDI FORMAT	DEFINITION
ST*196*123456789 n/l	This is a 196 Contractor Cost Data Reporting transaction set with a control number of 123456789.
BCM*00*199802515*19971231*N00019-97-C-0001*AZ-21*CO*05**01*FR*11 n/l	This is an original transmission with a transaction set date of February 15, 1998. The report as of date is December 31, 1997 for the contract number N00019-97-C-0001. The program name is AZ-21. This is an existing contract, procurement type of contract, multi-year, firm fixed price, competition sensitive information.
DTP*581*YY*1998 n/l	The fiscal year for which the contract is funded.
DTP*582*RD4*1997-1998 n/l	The funded fiscal years that the report represents.
N1*PG**1*DUNSNO n/l	The company DUNS number.
G61*PU*Smith John*TE*2155461789, Program Analyst n/l	John Smith prepared the report with his phone number and title.
DTM*275*19980215 n/l	Data approved for transmission on February 15.
End Table 1, begin Table 2.	
HL*1**RP n/l	HL 1, no parent, Report Type.
CRT*C1*R5***IN n/l	This is a Cost Data Summary (DD Form 1921) report, dollars are in thousands for this interim report.
AMT*28*126997 n/l	Target price (based on contractor type BCM10).
AMT*30*126997 n/l	Contract ceiling amount.
HL*2*1*WB n/l	HL 2, parent is HL1, Work Breakdown Structure (WBS) detail.
BSD*74*1*AZ-21 Program*1 n/l	WBS element 1 at level 1, and description.
HL*3*2*CE n/l	HL 3, parent is HL 2, Cost Element data.
CLI**27 n/l	Nonrecurring data.
AMT*D9*30904.6 n/l	Cumulative actuals.
AMT*55*33943.7 n/l	At complete forecast.
HL*4*2*CE n/l	HL 4, parent is HL 2, Cost Element data.
CLI**26 n/l	Recurring data.
AMT*D9*72483.1 n/l	Cumulative actuals.
AMT*55*78418.3 n/l	At complete forecast.
HL*5*2*CE n/l	HL 5, parent is HL 2, Cost Element data.
CLI**28 n/l	Totals.
AMT*D9*103387.7 n/l	Cumulative actuals.
AMT*55*112362.0 n/l	At complete forecast.
QTY*63*24*UN n/l	Total number of units.

HL 6 intentionally left out to illustrate HL's only need to be unique and incremental.

ASC X12 EDI FORMAT	DEFINITION
HL*7*2*WB n/l	HL 7, parent is HL2, WBS detail.
BSD*74*1.1*Air Vehicle*2*1**1 n/l	WBS element 1.1 and description. Level 2 element, parent code is 1, level 1.
REF*C7**01/02/03/04/05 n/l OR REF*C7**01-05 n/l	Related Contract Line Item Numbers (CLINs) 01, 02, 03, 04, and 05. Use a "/" to separate CLINs when more than one CLIN applies or a "-" when a range of CLINs needs to be noted.
HL*8*7*CE n/l	HL 8, parent is HL 7, Cost Element data.
CLI**27 n/l	Nonrecurring data.
AMT*D9*15078.6 n/l	Cumulative actuals.
AMT*55*15682.3 n/l	At complete forecast.
HL*9*7*CE n/l	HL 9, parent is HL 7, Cost Element data.
CLI**26 n/l	Recurring data.
ATM*D9*67115.5 n/l	Cumulative actuals.
AMT*55*70966.3 n/l	At complete forecast.
HL*10*7*CE n/l	HL 10, parent is HL 7, Cost Element data.
CLI**28 n/l	Totals.
AMT*D9*82193.8 n/l	Cumulative actuals.
AMT*55*86648.6 n/l	At complete forecast.
HL*11*7*WB n/l	HL 11, parent is HL 7, WBS detail.
BSD*74*1.1.1*Airframe*3*1.1**2 n/l	WBS element 1.1.1 and description. Level 3 element, parent code is 1.1, level 2.
HL*12*11*CE n/l	HL 12, parent is HL 11, Cost Element data.
CLI**27 n/l	Nonrecurring data.
AMT*D9*9244.8 n/l	Cumulative actuals.
AMT*55*9550.8 n/l	At complete forecast.
HL*13*11*CE n/l	HL 13, parent is HL 11, Cost Element data.
CLI**26 n/l	Recurring data.
AMT*D9*47321.3 n/l	Cumulative actuals.
AMT*55*49711.9 n/l	At complete forecast.
HL*14*11*CE n/l	HL 14, parent is HL 11, Cost Element data.
CLI**28 n/l	Totals.
AMT*D9*56566.1 n/l	Cumulative actuals.
AMT*55*59262.7 n/l	At complete forecast.
HL*15*11*WB n/l	HL 15, parent is HL 11, WBS detail.
BSD*74*1.1.1.1*Fuselage*4*1.1.1**3 n/l	WBS element 1.1.1.1 and description. Level 4 element, parent is 1.1.1, level 3.

ASC X12 EDI FORMAT	DEFINITION
HL*16*15*CE n/l	HL 16, parent is HL 15, Cost Element data.
CLI**27 n/l	Nonrecurring data.
AMT*D9*4551.8 n/l	Cumulative actuals.
AMT*55*4779.4 n/l	At complete forecast.
HL*17*15*CE n/l	HL 17, parent is HL 15, Cost Element data.
CLI***26 n/l	Recurring data.
AMT*D9*19533.6 n/l	Cumulative actuals.
AMT*55*20623.0 n/l	At complete forecast.
HL*18*15*CE n/l	HL 18, parent is HL 15, Cost Element data.
CLI**28 n/l	Totals.
AMT*D9*24085.4 n/l	Cumulative actuals.
AMT*55*25402.3 n/l	At complete forecast.
HL*19*11*WB n/l	HL 19, parent is HL 11, WBS detail.
BSD*74*1.1.1.2*Landing Gear*4*1.1.1**3 n/l	WBS element 1.1.1.2 and description. Level 4 element, parent is 1.1.1, level 3.
HL*20*19*CE n/l	HL 20, parent is HL 19, Cost Element data.
CLI**27 n/l	Nonrecurring data.
AMT*D9*23.8 n/l	Cumulative actuals.
AMT*55*23.8 n/l	At complete forecast.
HL*21*19*CE n/l	HL 21, parent is HL 19, Cost Element data.
CLI**26 n/l	Recurring data.
AMT*D9*2453.8n/l	Cumulative actuals.
AMT*55*2453.8 n/l	At complete forecast.
HL*22*19*CE n/l	HL 22, parent is HL 19, Cost Element data.
CLI**28 n/l	Totals.
AMT*D9*2477.5 n/l	Cumulative actuals.
AMT*55*2477.5 n/l	At complete forecast.
Continue with balance of WBS elements in same manner. GFE WBS element example follows.	
HL*100*7*WB n/l	HL 100, parent is HL 7, WBS detail.
BSD*74*1.1.8*Display Processors*3*1.1*59*2 n/l	WBS element 1.1.8 and description. Level 3 element, parent is 1.1, level 2. Code 59 indicates GFE item. For GFE elements, monetary amount and quantity details are not included.

ASC X12 EDI FORMAT	DEFINITION
Break in HL sequence for example purposes only.	
Example for summary totals for the report follows.	
Note that the use of the HL with the BSD segment at the WB (WBS) level is optional when the CLI segment fully describes the summary line item; in this case, only use one HL at WB level with one BSD segment to start off the summary lines sequence and follow with CE HL's with CLI and AMT segments. The example here illustrates the use of the WB HL level and BSD segment for all summary lines. Optional HLs and BSDs are noted with a (#).	
HL*200*2*WB n/l	HL 200, parent is HL 2, WBS detail.
BSD*74*2*Total Cost Less G&A*2*1**1 n/l	WBS element and description. Description could also be more generic when CLI can fully describe the summary lines; in this case may want to enter "Summary Data".
HL*201*200*CE n/l	HL 201, parent is HL 200, Cost Element data.
CLI**37 n/l	Total cost less general & administrative data.
AMT*D9*103387.7 n/l	Cumulative actuals.
AMT*55*112362.0 n/l	At complete forecast.
HL*202*2*WB n/l	HL 202, parent is HL 2, WBS detail.#
BSD*74*2*G&A*2*1**1 n/l	WBS element and description.#
HL*203*202*CE n/l	HL 203, parent is HL 202, Cost Element data.
CLI**33 n/l	General and administrative data.
AMT*D9*10607.1 n/l	Cumulative actuals.
AMT*55*11615.0 n/l	At complete forecast.
HL*204*2*WB n/l	HL 204, parent is HL 2, WBS detail.#
BSD*74*2*Cost of Money*2*1**1 n/l	WBS element and description.#
HL*205*204*CE n/l	HL 205, parent is HL 204, Cost Element data.
CLI**34 n/l	Cost of money data.
AMT*D9*1000.0 n/l	Cumulative actuals.
AMT*55*1000.0 n/l	At complete forecast.
HL*206*2*WB n/l	HL 206, parent is HL 2, WBS detail.#
BSD*74*2*Fee/Profit*2*1**1 n/l	WBS element and description.#
HL*207*206*CE n/l	HL 207, parent is HL 206, Cost Element data.
CLI**35 n/l	Fee or profit data.
AMT*55*2000.0 n/l	At complete forecast.
HL*208*2*WB n/l	HL 208, Parent is HL 2, WBS detail.#
BSD*74*2*Undistributed Budget*2*1**1 n/l	WBS element and description.#
HL*209*208*CE n/l	HL 209, parent is HL 208, Cost Element data.
CLI**UB n/l	Undistributed Budget
AMT*55*2000.0 n/l	At complete forecast.

ASC X12 EDI FORMAT	DEFINITION
HL*210*2*WB n/l	HL 210, parent is HL 2, WBS detail.#
BSD*74*2*Management Reserve*2*1**1 n/l	WBS element and description.#
HL*211*210*CE n/l	HL 211, parent is HL 210, Cost Element data.
CLI**MR n/l	Management reserve.
AMT*55*2200.0 n/l	At complete forecast.
HL*212*2*WB n/l	HL 212, parent is HL 2, WBS detail.#
BSD*74*2*Total Price*2*1**1 n/l	WBS element and description.#
HL*213*212*CE n/l	HL 213, parent is HL 212, Cost Element data.
CLI**36 n/l	Total price data.
AMT*55*126977.9 n/l	At complete forecast.
End example HL sequences.	
SE*nnn*123456789 n/l	The nnn equals the number of segments in the transmission with transaction set control number.

Example 2 – Functional Cost-Hour Report, DD Form 1921-1

ASC X12 EDI FORMAT	DEFINITION
ST*196*123456789 n/l	This is a 196 Contractor Cost Data Reporting transaction set with a control number of 123456789.
Section A on report format.	
BCM*00*19980201*19971231*N00019-97-C-0001*AZ-21*CO*05**01 n/l	This is an original transmission with a transaction set date of February 1, 1998. The report as of date is December 31, 1997 for the contract number N00019-97-C-0001. The program name is AZ-21. This is an existing contract, procurement type, multi-year contract.
DTP*581*YY*1998 n/l	The fiscal year for which the contract is funded.
DTP*582*RD4*1997-1998 n/l	The funded fiscal years that the report represents.
N1*PG**1*DUNSNO n/l	The company DUNS number.
G61*PU*Smith John*TE*2155461789, Program Analyst n/l	John Smith prepared the report with his phone number and title.
DTM*275*19980215 n/l	Data approved for transmission on February 15.
End Table 1, begin Table 2.	
HL*1**RP n/l	HL 1, no parent, Report Type.
CRT*C2*R5*TH**F n/l	This is a Functional Cost-Hour Report (DD Form 1921-1), dollars and hours are in expressed in thousands for this final report.
HL*2*1*WB n/l	HL 2, parent HL is HL 1, Work Breakdown Structure (WBS) detail.
BSD*74*1.1*Air Vehicle***26 n/l	WBS element 1.1 and description, recurring values.
Section B on report format.	
HL*3*2*FC n/l	HL 3, parent is HL 2, Function Code data.
CLI*E6*01 n/l	Engineering labor.
AMT*BM*5 n/l	Adjustments to previous reports.
AMT*CA*1224 n/l	Contractor actual costs to date.
AMT*CR*1225 n/l	Contractor estimated costs at completion.
AMT*CU*10 n/l	Subcontractor actual costs to date.
AMT*CV*10 n/l	Subcontractor estimated costs at completion.
AMT*TX*1234 n/l	Total actual costs to date.
AMT*TY*1235 n/l	Total estimated costs at completion.
QTY*A5*10*HR n/l	Adjustments to previous reports.
QTY*BB*56.9*HR n/l	Contractor actual hours to date.
QTY*BD*56.9*HR n/l	Contractor estimated hours at completion.
QTY*BE*3*HR n/l	Subcontractor actual hours to date.
QTY*BG*3*HR n/l	Subcontractor estimated hours at completion.
QTY*TD*59.9 n/l	Total actual hours to date.

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QTY*TC*59.9 n/l	Total estimated hours at completion.
HL*4*2*FC n/l	HL 4, parent is HL 2, Function Code data.
CLI*E6*09 n/l	Engineering overhead.
AMT*BM*1 n/l	Adjustments to previous reports.
AMT*CA*1698.5 n/l	Contractor actual costs to date.
AMT*CR*1698.5 n/l	Contractor estimated costs at completion.
AMT*CU*1 n/l	Subcontractor actual costs to date.
AMT*CV*1 n/l	Subcontractor estimated costs at completion.
AMT*TX*1699.5 n/l	Total actual costs to date.
AMT*TY*1699.5 n/l	Total estimated costs at completion.
HL*5*2*FC n/l	HL 5, parent is HL 2, Function Code data.
CLI*E6*02 n/l	Engineering material.
AMT*CA*8.6 n/l	Contractor actual costs to date.
AMT*CR*8.6 n/l	Contractor estimated costs at completion.
AMT*TX*8.6 n/l	Total actual costs to date.
AMT*TY*8.6 n/l	Total estimated costs at completion.
HL*6*2*FC n/l	HL 6, parent is HL 2, Function Code data.
CLI*E6*03 n/l	Engineering, other direct costs.
AMT*CA*100.6 n/l	Contractor actual costs to date.
AMT*CR*133.6 n/l	Contractor estimated costs at completion.
AMT*TX*100.6 n/l	Total actual costs to date.
AMT*TY*133.6 n/l	Total estimated costs at completion.
HL*7*2*FC n/l	HL 7, parent is HL 2, Function Code data.
CLI*E6*28 n/l	Engineering Total Costs.
AMT*BM*25 n/l	Adjustments to previous reports.
AMT*CA*3065 n/l	Contractor actual costs to date.
AMT*CR*3065 n/l	Contractor estimated costs at completion.
AMT*CU*25 n/l	Subcontractor actual costs to date.
AMT*CV*25 n/l	Subcontractor estimated costs at completion.
AMT*TX*3065 n/l	Total actual costs to date.
AMT*TY*3065 n/l	Total estimated costs at completion.
HL*8*2*FC n/l	HL 8, parent is HL 2, Function Code data.
CLI*TB*01 n/l	Tooling labor.
AMT*CA*1395.4 n/l	Contractor actual costs to date.
AMT*CR*1395.4 n/l	Contractor estimated costs at completion.

ASC X12 EDI FORMAT	DEFINITION
AMT*TX*1395.4 n/l	Total actual costs to date.
AMT*TY*1395.4 n/l	Total estimated costs at completion.
QTY*BB*57.6*HR n/l	Contractor actual hours to date.
QTY*BD*57.6*HR n/l	Contractor estimated hours at completion.
QTY*TD*57.6*HR n/l	Total actual hours to date.
QTY*TD*57.6*HR n/l	Total estimated hours at completion.

Repeat HL segment loops for the remaining functional categories. CLI segment entries change for each line item in Section B. The receiving application may calculate total values; this would eliminate transmission of total values.

Section C and D on report format. Note that the data for these sections are combined under Category HL and CLI references such as Engineering and Tooling.

HL*100*2*5 n/l	HL 100, parent is HL 2, Category data.
CLI*E6 n/l	Engineering.
HL*101*100*C n/l	HL 101, parent is HL 100, first Date details.
QTY*AU*14.258*HR n/l	Cumulative actual hours.
QTY*DR*82 n/l	Number of direct workers.
QTY*IN*6 n/l	Number of indirect workers.
RPA*AB**17.68*HR n/l	Average basic rate.
RPA*AE**17.68*HR n/l	Average effective rate.
RPA*OI**17.68*HR n/l	Overhead or indirect rate.
DTM*090*19970101 n/l	Beginning of report period.
HL*102*100*C n/l	HL 102, parent is HL 100, next Date details.
QTY*AU*47.338*HR n/l	Cumulative actual hours.
QTY*DR*12 n/l	Number of direct workers.
QTY*IN*1 n/l	Number of indirect workers.
RPA*AB**17.78*HR n/l	Average basic rate.
RPA*AE**17.78*HR n/l	Average effective rate.
RPA*OI**17.78*HR n/l	Overhead or indirect rate.
DTM*194*19970931 n/l	Date of 2nd reporting period. Code 194 means period ending. Use code 174 to say "month ending".
HL*103*100*C n/l	HL 103, parent is HL 100, next Date details.
QTY*AU*80.289*HR n/l	Cumulative actual hours.
QTY*DR*14 n/l	Number of direct workers.
QTY*IN*1 n/l	Number of indirect workers.
RPA*AB**17.85*HR n/l	Average basic rate.
RPA*AE**17.85*HR n/l	Average effective rate.
RPA*OI**17.85HR n/l	Overhead or indirect rate.

ASC X12 EDI FORMAT	DEFINITION
DTM*194*19971131 n/l	Date of third reporting period.
HL*104*100*C n/l	HL 104, parent is HL 100, last Date details (end of report period).
QTY*AU*94.286*HR n/l	Cumulative actual hours.
QTY*DR*81 n/l	Number of direct workers.
QTY*IN*8 n/l	Number of indirect workers.
RPA*AB**18.01*HR n/l	Average basic rate.
RPA*AE**18.01*HR n/l	Average effective rate.
RPA*OI**18.01HR n/l	Overhead or indirect rate.
DTM*091*19971231 n/l	End of report period.
HL*105*2*5 n/l	HL 105, parent is HL 2, Category data.
CLI*TB n/l	Tooling.
HL*106*105*C n/l	HL 106, parent is HL 105, Date details.
QTY*AU*30.681*HR n/l	Cumulative actual hours.
QTY*DR*44 n/l	Number of direct workers.
QTY*IN*4 n/l	Number of indirect workers.
RPA*AB**18.09*HR n/l	Average basic rate.
RPA*AE**18.34*HR n/l	Average effective rate.
RPA*OI**18.34*HR n/l	Overhead or indirect rate.
DTM*090*19970101 n/l	Beginning of report period.
Continues with remaining date items as illustrated above for Engineering. Continue with HL segment loops for each category such as Quality Control and Manufacturing. Finish with details for G&A.	
HL*200*2*5 n/l	HL 200, parent is HL 2, Category data.
CLI**33 n/l	G&A.
HL*201*200*C n/l	HL 201, parent is HL 200, Date details.
QTY*IN*4 n/l	Number of indirect workers.
RPA*OI**28.70*HR n/l	Overhead or indirect rate.
DTM*090*19970101 n/l	Beginning of report period.
Continue for all reporting periods.	
HL*210*200*C n/l	HL 210, parent is HL 200, Date details.
QTY*IN*4 n/l	Number of indirect workers.
RPA*OI**31.00*HR n/l	Overhead or indirect rate.
DTM*091*19971231 n/l	End of report period.
End example HL sequences.	
SE*nnn*123456789 n/l	The nnn equals the number of segments in the transmission with transaction set control number.

Example 3 – Progress Curve Report, DD Form 1921-2

ASC X12 EDI FORMAT	DEFINITION
ST*196*123456789 n/l	This is a 196 Contractor Cost Data Reporting transaction set with a control number of 123456789.
Section A on report form.	
BCM*00*199802515*19971231*N00019-97-C-0001*AZ-21****01 n/l	This is an original transmission with a transaction set date of February 15, 1998. The report as of date is December 31, 1997 for the contract number N00019-97-C-0001. The program name is AZ-21 and is a multi-year procurement.
DTP*581*YY*1998 n/l	The fiscal year for which the contract is funded.
DTP*582*RD4*1997-1998 n/l	The funded fiscal years that the report represents.
REF*2G*Amendnumber n/l	Use this segment to convey an amendment number if needed.
N1*PG**1*DUNSNO n/l	The company DUNS number.
G61*PU*Smith John*TE*2155461789, Program Analyst n/l	John Smith prepared the report with his phone number and title.
DTM*275*19980215 n/l	Data approved for transmission on February 15.
End Table 1, begin Table 2.	
HL*1**RP n/l	HL 1, no parent, Report Type.
CRT*C3*R5*TH**F*UA n/l	This is a Progress Curve Report (DD Form 1921-2), dollars and hours are in thousands for this final report, details are unit or lot averages.
QTY*PX*99 n/l	Total cumulative units accepted as of last report.
QTY*MN*21 n/l	Report for 21 months.
HL*2*1*WB n/l	HL 2, parent is HL 1, Work Breakdown Structure (WBS) detail.
BSD*74*1.1.1*Airframe n/l	WBS element 1.1.1 and description.
MSG*Text up to 264 characters for each message. n/l	This MSG segment can be repeated a number of times for various remarks.
Section B on report form.	
HL*3*2*I n/l	HL 3, parent is HL 2, Item detail.
CLI***1*Model and Series n/l	Line 1 with description.

When Columns A to G include trainer aircraft and regular production aircraft, use two HL segment loops with the same CLI line number and treat as two lines. One for training aircraft and one for regular production. The example here shows only the trainer aircraft piece for each column. This applies for lines 1, 2, and 3.

HL*4*3*UT n/l	HL 4, parent is HL 3, Unit or Lot data.
CLI***A*T n/l	Column A and description. Trainer aircraft should be denoted with a T in CLI04. For regular production, enter a short description, for example: "AZ-21".
HL*5*3*UN n/l	HL 5, parent is HL 3, Unit or Lot data.
CLI***B*T n/l	Column B and description.

ASC X12 EDI FORMAT	DEFINITION
Continue with HL segment loops with CLI to denote the rest of the column details (C through G). Note the HL numbers shown here are for illustration purposes only.	
HL*9*2*I n/l	HL 9, parent is HL 2, Item detail.
CLI***2*First Unit of Lot n/l	Line 2 with description.
HL*10*9*UT n/l	HL 10, parent is HL 9, Unit or Lot data.
CLI***A*T n/l	Column A with description if needed for trainer aircraft. The description would not be required for regular production items.
QTY*AT*1*UN n/l	Actual, unit value.
HL*11*9*UT n/l	HL 11, parent is HL 9, Unit or Lot data.
CLI***B*T n/l	Column B with trainer notation.
QTY*AT*2*UN n/l	Actual, unit value.
Continue with HL segment loops with CLI and QTY to denote rest of the column details (C through G). Note that columns F and G QTY segment uses different quantity qualifiers (estimate and to complete).	
HL*15*2*I n/l	HL 15, parent is HL 2, Item detail.
CLI***3*Last unit of lot n/l	Line 3 with description.
Continue with HL segment loops with CLI and QTY to denote column details as for line 2 (HL 9) above.	
HL*21*2*I n/l	HL 21, parent is HL 2, Item detail.
CLI***4*Concurrent units n/l	Line 4 with description.
HL*22*21*UT n/l	HL 22, parent is HL 21, Unit or Lot data.
CLI***A n/l	Column A.
QTY*AT*2*UN n/l	Actual, unit value.
HL*23*21*UT n/l	HL 23, parent is HL 21, Unit or Lot.
CLI***B n/l	Column B.
QTY*AT*3*UN n/l	Actual, unit value.
Skipping to column F.	
HL*25*21*UT n/l	HL 25, parent is 21, Unit or Lot data.
CLI***F n/l	Column F.
QTY*KA*4*UN n/l	Estimate (of next lot), unit value.
HL*26*21*UT n/l	HL 26, parent is HL 21, Unit or Lot data.
CLI***G n/l	Column G.
QTY*AY*2*UN n/l	To complete contract, unit value.
HL*27*2*I n/l	HL 27, parent is HL 2, Item detail.
CLI***5*Characterstics – GFE n/l	Line 5 with description.
HL*28*27*UT n/l	HL 28, parent is HL 27, Unit or Lot data.
CLI***A n/l	Column A.
MEA**U*743.0*UN n/l	The weight per unit. Use the MEA segment as needed to

ASC X12 EDI FORMAT	DEFINITION
	describe characteristics about the item being built.
HL*29*27*UT n/l	HL 29, parent is HL 27, Unit or Lot data.
CLI***B n/l	Column B.
MEA**U*743.0*UN n/l	The weight per unit.

Continue with HL segment loops with CLI and MEA for rest of the columns (C through G). For lines 6 and 7, repeat HL segment loops with CLI and MEA as illustrated here for line 5.

HL*45*2*I n/l	HL 45, parent is HL 2, Item detail.
CLI*PG*44 n/l	Contractor, quality control labor (this is line 8 on the report form).
HL*46*45*UT n/l	HL 46, parent is HL 45, Unit or Lot data.
CLI***A n/l	Column A.
QTY*AT*5*HR n/l	Actual hours.
Skipping to column F and G.	
HL*49*45*UT n/l	HL 49, parent is HL 45, Unit or Lot data.
CLI***F n/l	Column F.
QTY*KA*3.3*HR n/l	Estimate (or next lot) hours.
HL*50*45*UT n/l	HL 50, parent is HL 45, Unit or Lot data.
CLI***G n/l	Column G.
QTY*AY*3.1*HR n/l	To complete contract hours.

Continue with HL segment loops with CLI and QTY or AMT as illustrated above for lines 9 through 30 on report form. CLI01 and CLI02 changes with line item. Use AMT segment instead of QTY segment for monetary amounts. Example begins again at line 31.

HL*200*2*I n/l	HL 200, parent is HL 2, Item detail.
CLI*28 n/l	Subcontractor.
HL*201*200*UT n/l	HL 201, parent is HL 200, Unit or Lot data.
CLI***A n/l	Column A.
PCT*SC*.143 n/l	Percent of (labor) hours related to outside suppliers.
HL*202*200*UT n/l	HL 202, parent is HL 200, Unit or Lot data.
CLI***B n/l	Column B.
PCT*SC*.156 n/l	Percent of (labor) hours related to outside suppliers.

Continue with HL segment loops with CLI and PCT for the rest of the columns (C through G).

HL*206*2*I n/l	HL 206, parent is HL 2, Item data.
CLI***32*Start and any description n/l	Line 32 with full description.
HL*207*206*UT n/l	HL 207, parent is HL 206, Unit or Lot data.
CLI***A n/l	Column A.
DTM*196*19970401 n/l	Start date.
HL*208*206*UT n/l	HL 208, parent is HL 206, Unit or Lot data.

ASC X12 EDI FORMAT	DEFINITION
CLI***B n/l	Column B.
DTM*196*19971001 n/l	Start date.

Continue with HL segment loops with CLI and DTM for the rest of the columns (C through G). Continue with HL segment loops with CLI and DTM for line 33, using the end (finish) qualifier (197) instead of the start qualifier (196) in the DTM segment.

HL*218*2*I n/l	HL 218, parent is HL 2, Item detail.
CLI***34*Description n/l	Line 34 with full description – describe month or quarter.
DTM*194*YYMMDD n/l	Use either 194 (period ending) or 174 (month ending) to describe the time period between the start and finish dates noted in lines 32 and 33.
HL*219*218*UT n/l	HL 219, parent is HL 218, Unit or Lot
CLI***A n/l	Column A.
PC*10*.2446 n/l	Enter the percent complete. Note that percents in lines 34 to 39 must sum to 100.
HL*220*218*UT n/l	HL 220, parent is HL 218, Unit or Lot
CLI***B n/l	Column B.
PCT*10*.2117 n/l	Percent complete.

Continue with HL segment loops with CLI and PCT for the rest of the columns (C through G). Continue with HL segment loops with CLI and PCT for lines 35 through 39 as needed.

Section C on report form.

HL*224*2*I n/l	HL 224, parent is HL 2, Item detail.
CLI**40 n/l	Standard hours.
HL*225*224*UT n/l	HL 225, parent is HL 224, Unit or Lot data.
CLI***A n/l	Column A.
QTY*ST*14.0*HR n/l	Standard hours.
HL*226*224*UT n/l	HL 226, parent is HL 224, Unit or Lot data.
CLI***B n/l	Column B.
QTY*ST*13.0*HR n/l	Standard hours.

Continue with HL segment loops with CLI and QTY for the rest of the columns (C through G).

HL*230*2*I n/l	HL 230, parent is HL 2, Item detail.
CLI**41 n/l	Variance.
HL*231*230*UT n/l	HL 231, parent is HL 230, Unit or Lot data.
CLI***A n/l	Column A.
QTY*VR*2.40*HR n/l	Variance hours.
HL*232*230*UT n/l	HL 232, parent is HL 230, Unit or Lot data.
CLI***B n/l	Column B.
QTY*VR*1.70*HR n/l	Variance hours.

ASC X12 EDI FORMAT	DEFINITION
Continue with HL segment loops with CLI and QTY for the rest of the columns (C through G).	
HL*236*2*FC n/l	HL 236, parent is HL 2, Function Code detail.
CLI*E6 n/l	Engineering.
REF*YB*Revnumber n/l	Use the REF segment to identify a revision number associated with any revision date noted in the following DTM segment. Only one revision reference number is allowed for a given CLI segment.
DTM*579*19970215 n/l	Planned release date.
DTM*171*19970323 n/l	Revised planned release date. Only one revision date is allowed.
DTM*580*19970701 n/l	Actual release date.
HL*237*2*FC n/l	HL 237, parent is HL 2, Function Code detail.
CLI*MT n/l	Material.
DTM*579*19970301 n/l	Planned release date.
DTM*171*19970401 n/l	Revised planned release date.
DTM*580*19970701 n/l	Actual release date.
HL*238*2*FC n/l	HL 238, parent is HL 2, Function Code detail.
CLI*TB n/l	Tooling.
DTM*579*19971001 n/l	Planned release date.
DTM*171*19971201 n/l	Revised planned release date.
DTM*580*19980101 n/l	Actual release date.
HL*239*2*FC n/l	HL 239, parent is HL 2, Function Code detail.
CLI*M9 n/l	Manufacturing.
DTM*579*19970301 n/l	Planned release date.
DTM*580*19970701 n/l	Actual release date.
End example HL sequences.	
SE*nnn*123456789 n/l	The nnn equals the number of segments in the transmission with transaction set control number.

Example 4 – Plant-Wide Data Report, DD Form 1921-3

ASC X12 EDI FORMAT	DEFINITION
ST*196*123456789 n/l	This is a 196 Contractor Cost Data Reporting transaction set with a control number of 123456789.
BCM*00*199802515*19971231**Plant Wide Report n/l	This is an original transmission with a transaction set date of February 15, 1998. The report as of date is December 31, 1997 for the plant wide report.
N1*MP**1*DUNSNO n/l	The company manufacturing plant DUNS number.
G61*PU*Smith John*TE*2155461789, Program Analyst n/l	John Smith prepared the report with his phone number and title.
DTM*275*19980215 n/l	Data approved for transmission on February 15.
End Table 1, begin Table 2.	
HL*1**RP n/l	HL 1, no parent, Report Type.
CRT*C4*R5 n/l	This is a Plant Wide Report (DD Form 1921-3), dollars are in thousands.
DTM*035*19980215 n/l	Date submitted (block D on report form).
MSG*In section C, line item 1, Engineering, the rates are a composite engineering rate for NY and CA. n/l	Optional MSG segment to describe details about the values being conveyed. Typically only used at the report HL level. Include references about where the notes entered in the MSG segment apply.
Section A on report form.	
HL*2*1*9 n/l	HL 2, parent is HL 1, Line detail.
CLI***1*YX-1**FA n/l	Line number 1 with description, it is a firm or actual contract.
REF*KQ**Army n/l	The procuring agency is the Army.
QTY*63*140 n/l	The buy quantity.
DTM*404*19971231 n/l	For the given year (fiscal year buy).
PID*F****Describing the program/project. n/l	Optional use of the PID segment if you need to further describe the program/project.
HL*3*2*C n/l	HL 3, parent is HL 2, Date detail. This begins the from/to date sections on the form.
CAL*70*Prior Year*CY*196*19970101**** 197*19971231 n/l	First calendar time frame – the prior year with start and end dates.
HL*4*3*FC n/l	HL 4, parent is HL 3, Function Code detail.
CLI*E6 n/l	Engineering.
AMT*CX*31.0 n/l	Actual cost.
HL*5*3*FC n/l	HL 5, parent is HL 3, Function Code detail.
CLI*M9 n/l	Manufacturing.
AMT*CX*221.8 n/l	Actual cost.
HL*6*3*FC n/l	HL 6, parent is HL 3, Function Code detail.
CLI*MT n/l	Material.

ASC X12 EDI FORMAT	DEFINITION
AMT*CX*2525.8 n/l	Actual cost.
HL*7*3*FC n/l	HL 7, parent is HL 3, Function Code detail.
CLI**39*Other*Other costs n/l	Other costs. CLI03 and CLI04 are optional; can be used to fully describe other categories.
AMT*CX*533.5 n/l	Actual cost.
HL*8*2*C n/l	HL 8, parent is HL 2, Date detail. This begins the second calendar group.
CAL*70*Current Year*CY*196*19980101**** 197*19981231 n/l	Second calendar time frame – the current year with start and end dates.
QTY*63*nnn n/l	The buy quantity for this year.
HL*9*8*FC n/l	HL 9, parent is HL 8, Function Code detail.
CLI*E6 n/l	Engineering.
AMT*CX*9002.2 n/l	Actual cost.
HL*10*8*FC n/l	HL 10, parent is HL 8, Function Code detail.
CLI*M9 n/l	Manufacturing.
AMT*CX*578.9 n/l	Actual cost.
HL*11*8*FC n/l	HL 11, parent is HL 8, Function Code detail.
CLI*MT n/l	Material.
AMT*CX*4047.8 n/l	Actual cost.
HL*12*8*FC n/l	HL 12, parent is HL 8, Function Code detail.
CLI**39*Other*Other costs n/l	Other costs.
AMT*CX*8579.5 n/l	Actual cost.
HL*13*2*C n/l	HL 13, parent is HL 2, Date detail. This begins the third calendar group.
CAL*70*Out Year 1*CY*196*19990101**** 197*19991231 n/l	Third calendar time frame – the next year with start and end dates.
HL*14*13*FC n/l	HL 14, parent is HL 13, Function Code detail.
CLI*E6 n/l	Engineering.
AMT*B*133.5 n/l	Estimated cost. Note that the AMT qualifier is code "B" for this calendar group and the last two out year calendar groups.

Continue with HL segment loops with CLI and AMT for rest of Function Code categories. Continue with HL segment loops with CAL, and then HL segment with CLI and AMT for last two out years. Repeat entire sequence again for all projects typically reported on form. Finish Section A on form (lines 12, 13, and 14).

HL*200*1*9 n/l	HL 200, parent is HL 1, Line detail.
CLI**45 n/l	Other government effort.
HL*201*200*C n/l	HL 201, parent is HL 200, Date detail. The first from/to date section.
CAL*70*Prior Year*CY*196*19970101****	First calendar time frame – the prior year with start and

ASC X12 EDI FORMAT	DEFINITION
197*19971231 n/l	end dates.
HL*202*201*FC n/l	HL 202, parent is HL 201, Function Code detail.
CLI*E6 n/l	Engineering.
AMT*CX*8290.8 n/l	Actual cost.

Continue with HL segment loops with CLI and AMT for rest of Function code categories. Continue with HL segment loops with CAL, and then HL segment with CLI and AMT for balance of calendar time frames. Note use of AMT qualifier for prior, current, and out year time frames per example above for first line item. Continue with HL segment loops as above for line items 13 (CLI02 is 46) and 14 (CLI02 is 47).

Section B on form.

HL*300*1*9 n/l	HL 300, parent is HL 1, Line detail.
CLI**48 n/l	Indirect labor.
HL*301*300*C n/l	HL 301, parent is HL 300, Date detail. First from/to date section.
CAL*70*Prior Year*CY*196*19970101**** 197*19971231 n/l	First calendar time frame – the prior year with start and end dates.
HL*302*301*FC n/l	HL 302, parent is HL 301, Function Code detail.
CLI*E6 n/l	Engineering. You can break down the indirect cost categories into lower level categories for all groups typically found on the form (Engineering, Manufacturing, Material, Other, and G&A). Use CLI03 and CLI04 to describe the category. Repeat the HL segment loop as many times as you need to convey the cost details. If you need more text the describe the categories, use the PID segment.
AMT*CX*23576.4 n/l	Actual cost.

Continue with HL segment loops with CLI and AMT for rest of Function code categories. Continue with HL segment loops with CAL, and then HL segment with CLI and AMT for balance of calendar time frames. Note use of AMT qualifier for prior, current, and out year time frames per example above for first line item. Continue with HL segment loops as above for line items 16 through 28. Note that line 27 does NOT include G&A details for all calendar groups; line 28 ONLY includes the G&A Function Code detail. Begin example again at line 29.

HL*500*1*9 n/l	HL 500, parent is HL 1, Line detail.
CLI***29 n/l	Line number 29, for overhead and G&A rate. Use CLI04 to further describe the category if needed.
HL*501*500*C n/l	HL 501, parent is 500, Date detail. First from/to date section.
CAL*70*Prior Year*CY*196*19970101**** 197*19971231 n/l	First calendar time frame – the prior year with start and dates. All percents are assumed to be actual values for this time period.
HL*502*501*FC n/l	HL 502, parent is HL 501, Function Code detail.
CLI*E6 n/l	Engineering.
RPA*OI****.35833 n/l	Overhead percent.

ASC X12 EDI FORMAT	DEFINITION
Continue with HL segment loops with CLI and RPA for rest of Function code categories. Continue with HL segment loops with CAL, and then HL segment with CLI and RPA for balance of calendar time frames. Note the qualifier does not change for the RPA segment – out year values are assumed to be estimate values. Begin example again at line 30.	
HL*600*1*9 n/l	HL 600, parent is HL 1, Line detail.
CLI***30 n/l	Line number 30, for employment-indirect workers.
HL*601*600*C n/l	HL 601, parent is 600, Date detail. First from/to date section.
CAL*70*Prior Year*CY*196*19970101****197*19971231 n/l	First calendar time frame – the prior year with start and end dates. All quantities are assumed to actual values for this time period.
HL*602*601*FC n/l	HL 601, parent is 601, Function Code detail.
CLI*E6 n/l	Engineering.
QTY*IN*171*TH n/l	Number of indirect workers, in thousands.
Continue with HL segment loops with CLI and QTY for rest of Function code categories. Continue with HL segment loops with CAL, and then HL segment with CLI and QTY for balance of calendar time frames. Note the qualifier does not change for the QTY segment – out year values are assumed to be estimate values.	
Section C on report form.	
HL*700*1*FC n/l	HL 700, parent is HL 1, Function Code detail. Note the Function Code categories come first in this section instead of calendar information.
CLI*E6 n/l	Engineering.
HL*701*700*C n/l	HL 701, parent is HL 700, Date detail. First from/to section.
CAL*70*1*Q1*196*19980101****197*19980331 n/l	First calendar time frame, first quarter for current year with start and end dates.
QTY*DR*1177*TH n/l	Number of direct workers, in thousands.
RPA*AB**17.68*HR n/l	Basic rate per hour.
RPA*AE*17.68*HR n/l	Effective rate per hour.
HL*702*700*C n/l	HL 702, parent is 700, Date detail. Second calendar group.
CAL*70*2*Q2*196*19980401****197*19980630 n/l	Second calendar time frame, second quarter for current year with start and end dates.
QTY*DR*1174*TH n/l	Number of direct workers, in thousands.
RPA*AB**17.78*HR n/l	Base rate per hour.
RPA*AE**17.78*HR n/l	Effective rate per hour.
HL*703*700*C n/l	HL 703, parent is 700, Date detail. Third calendar group.
CAL*70*3*Q3*196*19980701****197*19980930 n/l	Third calendar time frame, third quarter for current year with start and end dates.
QTY*DR*1164*TH n/l	Number of direct workers, in thousands.

ASC X12 EDI FORMAT	DEFINITION
RPA*AB**17.85*HR n/l	Base rate per hour.
RPA*AE**17.85*HR n/l	Effective rate per hour.
HL*704*700*C n/l	HL 704, parent is 700, Date detail. Fourth calendar group.
CAL*70*4*Q4*196*19981001****197*19981231 n/l	Second calendar time frame, second quarter for current year with start and end dates.
QTY*DR*1153*TH n/l	Number of direct workers, in thousands.
RPA*AB**18.01*HR n/l	Base rate per hour.
RPA*AE**18.01*HR n/l	Effective rate per hour.
HL*705*700*C n/l	HL 705, parent is HL 700, Date detail. Fifth calendar group.
CAL*70*Prior Year*CY*196*19970101**** 197*19971231 n/l	Fifth calendar time frame, prior year with start and end dates.
RPA*AB**19.15*HR n/l	Base rate per hour.
HL*706*700*C n/l	HL 706, parent is HL 700, Date detail. Sixth calendar group.
CAL*70*Out Year 1*CY*196*19990101**** 197*19991231 n/l	Sixth calendar time frame, out year 1 with start and end dates.
RPA*AB**20.17*HR n/l	Base rate per hour.
HL*707*700*C n/l	HL 707, parent is 700, Date detail. Seventh calendar group.
CAL*70*Out Year 2*CY*196*20000101**** 197*20001231 n/l	Seventh calendar time frame, out year 2 with start and end dates.
RPA*AB**21.15*HR n/l	Base rate per hour.
HL*708*1*FC n/l	HL 708, parent is 1, Function Code detail
CLI*TD n/l	Tooling design. Note that tool information can be summary information (tooling category only or a summary of details) or broken down by design and fabrication.

Continue with HL segments with CAL and RPA for all calendar groups (1 to 7) as above. Continue with HL segments with CLI to note all Function Code categories in Section C, and then CAL and RPA for all calendar groups (1 to 7).

End example HL sequences.

SE*nnn*123456789 n/l	The nnn equals the number of segments in the transmission with transaction set control number.